

The Trail Inventory of Agassiz NWR Middle River, MN



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Central Federal Lands Highway Division
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Agassiz NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Poor		Others		Total
	Miles	%	Miles	%	Miles	%	Miles
Gravel	0.52	100%	0.00	0%	0.00	0%	0.52
Boardwalk	0.02	100%	0.00	0%	0.00	0%	0.02
Mowed	0.29	67%	0.14	33%	0.00	0%	0.43
Admin Road	0.00	0%	0.00	0%	0.57	100%	0.57
Total	0.83	54%	0.14	9%	0.57	37%	1.54

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Poor		Others		Total
	Miles	%	Miles	%	Miles	%	Miles
TC3	0.29	67%	0.14	33%	0.00	0%	0.43
TC4	0.54	49%	0.00	0%	0.57	51%	1.11
Total	0.83	54%	0.14	9%	0.57	37%	1.54

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Trailhead	1	No	0.00	AGAS_C2_1046
T300	Other	1	No	0.00	AGAS_C2_0337
T300	Begin Section	1	No	0.37	AGAS_C2_1047
T300	Bench	1	No	0.45	
T300	Begin Section	1	No	0.47	AGAS_C2_1048
T400	Trailhead	1	No	0.00	AGAS_C2_1037
T400	Sign	1	No	0.00	AGAS_C2_1038
T400	Sign	18	Yes	0.00	AGAS_C2_1039
T400	Bench	1	No	0.01	
T400	Other	1	No	0.05	AGAS_C2_0336
T400	Bench	1	No	0.06	
T400	Bench	1	No	0.10	
T400	Bench	1	No	0.28	
T400	Culvert -lf	10	No	0.29	
T400	Bench	1	No	0.33	
T400	Begin Section	1	No	0.40	AGAS_C2_1043
T400	Culvert -lf	10	No	0.40	
T400	Bench	1	No	0.41	
T400	Begin Section	1	No	0.42	AGAS_C2_1040
T400	Lookout/Ob Deck	1	No	0.44	
T401	Gate	1	No	0.00	
T401	Trailhead	1	No	0.00	AGAS_C2_1050
T401	Other	1	No	0.00	AGAS_C2_0339
T401	Sign	1	No	0.17	AGAS_C2_0340
T401	Bench	1	No	0.31	
T401	Bench	2	No	0.56	
T401	Other	1	No	0.57	AGAS_C2_0341
T401	Lookout/Ob Deck	1	No	0.57	

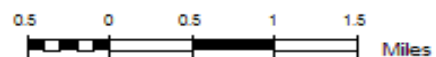
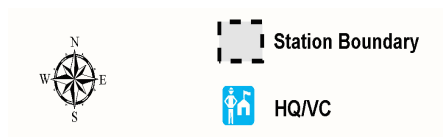
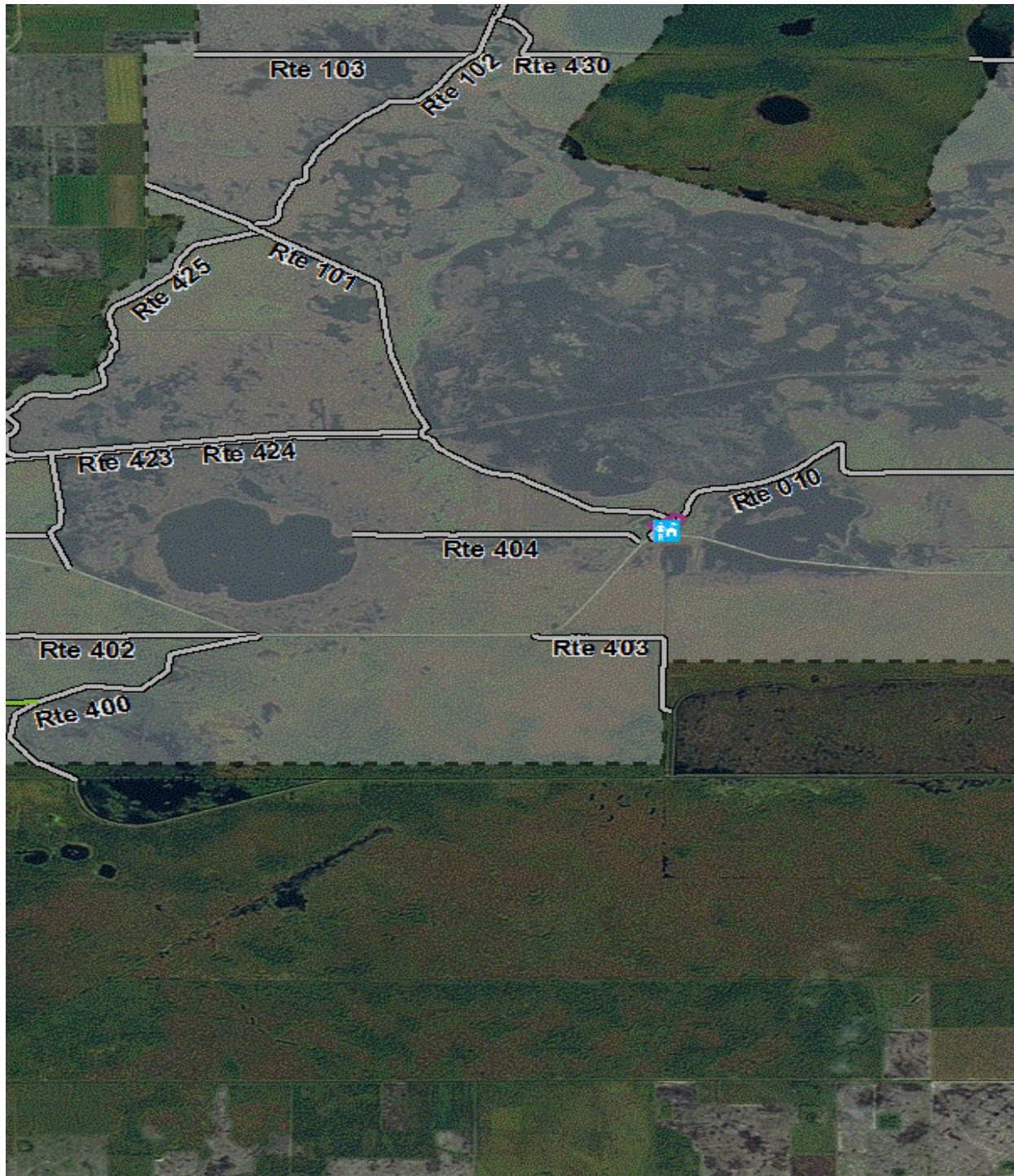
sf - square feet

lf - linear feet

cf - cubic feet

Agassiz NWR

Trail Location Map



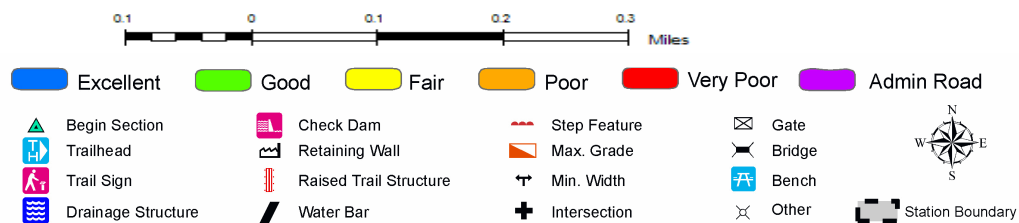
Trails ID

Station Name: Agassiz NWR

Org Code: 32510

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Maakstad Trail	Mowed	10042686	0.43	From Maakstad Trail Parking (Rte 906) to Maakstad Trail Access Road (Rte 114)
T400	Headquarters Hiking Trail	Boardwalk	10011208	0.02	From Headquarters to Headquarters Parking (Rte 900)
T400	Headquarters Hiking Trail	Gravel	10011208	0.52	From Headquarters to Headquarters Parking (Rte 900)
T401	Rodahl Trail	Admin Road	10056625	0.57	From South Hunter Parking (Rte 908) to End of Trail

TRAIL CONDITION



Trail Name: Maakstad Trail
Trail Number: T300

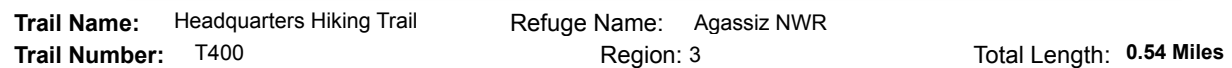
Refuge Name: Agassiz NWR
Region: 3

Total Length: 0.43 Miles

Section Number	001	002	003
Section Length (miles)	0.10	0.14	0.19
SAMMS Number	10042686	10042686	10042686
Rating Date	07/11/2006	07/11/2006	07/11/2006
Trail Section Information			
Trail Class	TC3	TC3	TC3
Surface Type	Mowed	Mowed	Mowed
Surface Firmness	Firm	Firm	Firm
Width (inches)	72	72	93
Average Grade (%)	2.8	2.8	2.8
Average X-slope (%)	2.80	2.80	2.80
Trail Condition Information			
Deferred Maintenance		\$1,087	
CRV	\$4,014	\$5,620	\$9,852
FCI	0.00	0.19	0.00
Condition	Excellent	Poor	Excellent

Trail Condition TOTALS

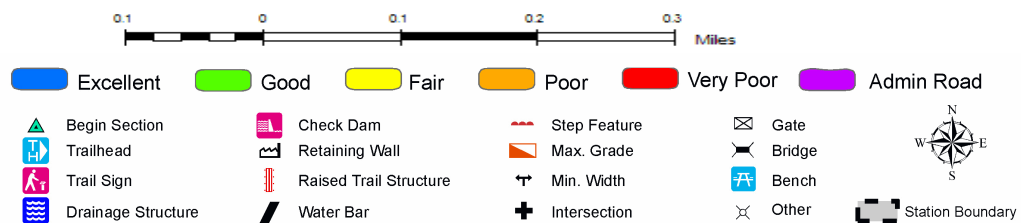
Deferred Maintenance	CRV	FCI	Condition
\$1,087	\$19,487	0.06	Fair



Trail Condition TOTALS

4 - 2

TRAIL CONDITION



Trail Name: Rodahl Trail
Trail Number: T401

Refuge Name: Agassiz NWR
Region: 3

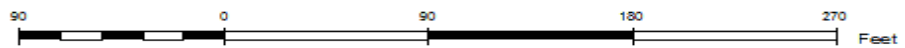
Total Length: 0.57 Miles

Section Number	001
Section Length (miles)	0.57
SAMMS Number	10056625
Rating Date	07/11/2006
Trail Section Information	
Trail Class	TC4
Surface Type	Admin Road
Surface Firmness	Hard
Width (inches)	114
Average Grade (%)	2.0
Average X-slope (%)	2.00
Trail Condition Information	
Deferred Maintenance	
CRV	
FCI	
Condition	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL DEFICIENCY



Trail Name: Maakstad Trail

Refuge Name: Agassiz NWR

Trail Number: T300

Region: 3

Total Length: 0.43 Miles

Mile Post	0.40
Section Number	002
Photo Number	AGAS_C2_0338
Deficiency	Drainage
Action	Build/Add
Item	Boardwalk -lf
Quantity	25
Deferred Maintenance	\$1,087

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Agassiz NWR
DATE: 05/18/2011



Photo # AGAS_C2_0337 - MP 0.00 - Other

TRAIL NUMBER: T300
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1046 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1047 - MP 0.37 - Begin Section

TRAIL NUMBER: T300
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1048 - MP 0.47 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1037 - MP 0.00 - Trailhead

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1038 - MP 0.00 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1039 - MP 0.00 - Sign

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 05/18/2011



Photo # AGAS_C2_0336 - MP 0.05 - Other

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1040 - MP 0.42 - Begin Section

TRAIL NUMBER: T400
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1043 - MP 0.40 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: Agassiz NWR
DATE: 05/18/2011



Photo # AGAS_C2_0339 - MP 0.00 - Other

TRAIL NUMBER: T401
STATION: Agassiz NWR
DATE: 07/11/2006



Photo # AGAS_C2_1050 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T401
STATION: Agassiz NWR
DATE: 05/18/2011



Photo # AGAS_C2_0340 - MP 0.17 - Sign

TRAIL NUMBER: T401
STATION: Agassiz NWR
DATE: 05/18/2011



Photo # AGAS_C2_0341 - MP 0.57 - Other

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	SAMMS number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.